|   | ndex | •• | <br> |  |
|---|------|----|------|--|
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| Application/Control No | Applica | ation/C | ontrol No |
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10/783,237 Examiner

Anthony S. Addy

Applicant(s)/Patent under Reexamination

KAWAMURA, MASAKAZU

Art Unit

2617

| •        | Allowed  |
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| <b>√</b> | Rejected |

| _ | (Through numeral)<br>Cancelled |
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|   | N | Non-Elected  |
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| Ci          | aim      | Date   |                                     |  |  | CI       | Claim Date                                       |  |          |          |          |          | 7        | Claim Date     |          |          |          |          |          |          |          |          |            |          |               |               |          |          |          |          |          |          |
|-------------|----------|--|-------------------------------------|--|--|----------|--|--|----------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|---------------|---------------|----------|----------|----------|----------|----------|----------|
| <u> </u>    |          | ┢  | Ť                                   | Π  | T  | T        | ╌  | _  | г        | $\dashv$ | -        | T        | ⊢        |                |          |          | Jace     | _        |          |          | -        | CI       |            |          |               | $\overline{}$ | ᅮ        | ate      |          |          | _        | $\dashv$ |
| Final       | Original | 092706   |                                     |  |  |          |  | i  |          |          | Final    | Originat |          |                |          |          |          |          |          |          |          | Final    | Original   |          |               |               |          |          |          |          |          |          |
|             | 1        | V  |                                     |  | Π  | П        | Π  | П  |          |          |          | 51       |          | П              |          |          | İ        |          |          | $\neg$   |          |          | 101        |          |               | 7             |          |          |          |          | ヿ        | $\neg$   |
|             | 2        | 1  |                                     | Г  | П  | Т        |  | Ī  |          |          |          | 52       |          |                |          |          |          | T        |          |          |          |          | 102        | П        | $\dashv$      | 寸             | ╗        | $\neg$   |          | $\neg$   | $\neg$   | ᆿ        |
|             | 3        | 1  | Г                                   |  |  |          |  |  |          |          |          | 53       |          |                |          |          |          |          |          |          | 7        |          | 103        |          |               | 7             | $\neg$   |          |          |          | $\neg$   | ヿ        |
|             | 4        | 1  |                                     |  |  |          |  |  |          |          |          | 54       |          |                |          |          |          |          |          | T        |          |          | 104        |          |               | T             | $\neg$   |          |          |          |          |          |
|             | 5        | 1  |                                     |  |  |          |  |  |          |          |          | 55       |          |                |          |          | $\Box$   | П        | $\neg$   |          |          |          | 105        |          |               | T             | $\neg$   |          |          |          |          |          |
|             | 6        | 1  |                                     |  |  |          |  |  |          |          |          | 56       |          |                |          |          |          | T        |          |          |          |          | 106        |          |               | T             | $\neg$   | T        |          | $\neg$   |          |          |
|             | 7        | V  |                                     |  |  |          |  |  |          |          |          | 57       |          |                |          |          |          |          |          |          | 7        |          | 107        |          |               | T             | コ        |          |          | $\neg$   | $\neg$   | $\neg$   |
|             | 8        | 1  |                                     |  |  |          |  |  |          |          |          | 58       |          |                |          |          |          | П        |          |          |          |          | 108        |          |               | T             | $\neg$   |          |          | $\neg$   |          |          |
|             | 9        | ٧  |                                     |  |  | L.       |  |  |          |          |          | 59       |          |                |          |          |          |          |          |          |          |          | 109        |          |               |               | $\neg$   | T        |          | 丁        | $\neg$   | $\neg$   |
|             | 10       | V  |                                     |  |  |          |  |  |          |          |          | 60       |          |                |          |          |          |          |          |          |          |          | 110        |          |               |               |          |          |          |          |          |          |
|             | 11       | 1  |                                     | L  | L  |          | L  |  |          |          |          | 61       |          |                |          |          |          |          |          |          |          |          | 111        |          |               |               |          |          |          |          |          | $\Box$   |
| <u></u>     | 12       | 1  | <u> </u>                            | L  | $\vdash$   | <u> </u> | $oxedsymbol{oxed}$                               |  |          |          |          | 62       |          |                |          |          |          |          |          |          |          |          | 112        |          |               | floor         | J        |          |          | $\Box$   | $\Box$   |          |
|             | 13       | 1  | <u> </u>                            | $\vdash$   | L  | $\perp$  | $oxed{\Box}$                                     | $oxedsymbol{oxed}$                               | Ш        |          |          | 63       | 匚        |                |          |          |          |          | $\Box$   | $\Box$   |          |          | 113        |          |               |               |          |          |          | $\Box$   | $\Box$   |          |
|             | 14       | 1  | <u> </u>                            | _  | L  | $\perp$  | _  |  |          |          |          | 64       |          | L              |          |          |          |          |          |          | _        |          | 114        |          | $-\mathbb{I}$ | $oxed{\int}$  |          |          |          |          | $\Box$   |          |
|             | 15       | 1  | L                                   | _  | L  | _        | L.   | L  |          |          |          | 65       |          |                |          |          |          | _        | _        |          |          |          | 115        |          |               |               |          |          |          |          |          |          |
| <u></u>     | 16       | V  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\perp$  | L  | <u> </u> | L  |  |          |          | <u> </u> | 66       |          |                |          |          | $\perp$  | _        |          | $\bot$   |          |          | 116        |          |               |               |          |          |          |          |          |          |
|             | 17       | 1  |                                     |  | L  | <u> </u> | _  |  |          |          | <u> </u> | 67       |          |                |          |          |          |          |          | ┙        |          |          | 117        |          |               |               |          |          | į        |          |          |          |
| <u></u>     | 18       | 1  |                                     |  |  | <u> </u> | _  | L.   |          | _        |          | 68       |          |                |          |          | _        |          |          | $\perp$  |          |          | 118        |          | L             |               |          |          |          |          |          |          |
| _           | 19       | V  | <u> </u>                            | Щ  |  | _        | _  | L  |          |          |          | 69       | _        |                |          |          | $\perp$  |          |          | $\perp$  | _        |          | 119        |          |               |               |          | _        |          |          |          |          |
| <u> </u>    | 20       | ٧  |                                     | _  | _  | _        | _  |  | $\perp$  | _        |          | 70       |          |                |          |          | $\Box$   | _        |          |          | _        |          | 120        |          |               |               |          |          |          |          |          |          |
|             | 21       | 1  | _                                   | _  |  | _        |  |  |          | _        |          | 71       | L.       |                |          |          | _        | _        | _        |          | _        |          | 121        |          |               | $\perp$       | _        |          | $\Box$   |          |          |          |
| <u> </u>    | 22       | 1  | _                                   | _  | _  | <u> </u> |  |  |          | _        |          | 72       | _        |                |          | _        | _        | _        | _        |          | _        |          | 122        |          |               | 1             | _        |          |          | $\Box$   | _        |          |
| <u> </u>    | 23       | <u> </u>   | _                                   | _  | _  | ↓_       | <u> </u>   | _  |          | _        |          | 73       |          |                | _        | _        | _        | _        | _        |          | _        | L        | 123        |          |               | 1             |          |          | _        | _        | _        | _        |
| <u> </u>    | 24       | _  | ļ                                   | _  | _  | <u> </u> | <u> </u>   |  | _        | _        |          | 74       |          |                |          | _        | _        | _        | $\perp$  | $\perp$  | _        | <u></u>  | 124        | $\Box$   |               | 4             | _        | _        | _        | _        | 4        | Ц        |
| <u> </u>    | 25       | <u> </u>   | <u> </u>                            | <u> </u>   | _  | ـــ      | <u> </u>   |  |          | _        |          | 75       | _        |                | _        |          | _        | _        | _        | _        | _        | L        | 125        | $\Box$   | _ _           | _             | _        |          | _        | _        | _        | _        |
| <u> </u>    | 26       | ┡  | _                                   | <u> </u>   | <u> </u>   | -        | <u> </u>   | _  |          | _        | <u> </u> | 76       |          |                |          | _        | _        | 4        | _        | _        |          |          | 126        |          |               | 4             | _        | _        | _        | _        | _        | _        |
| <b>├</b>    | 27       | <u> </u>   |                                     |  | $\vdash$   | ├_       | <u> </u>   | _  |          | _        | <u> </u> | 77       |          | $\Box$         | _        |          | $\dashv$ | $\dashv$ | _        |          | _        | ļ        | 127        |          | _ -           | 4             | $\dashv$ | _        |          |          | _ļ       | _        |
| <u> </u>    | 28       | <u> </u>   |                                     | <u> </u>   | _  | -        | <u> </u>   |  |          | _        | -        | 78       | L        | Ш              |          |          | _        |          |          | $\dashv$ | _        |          | 128        | -        |               | 4             | _        |          | _        | -        |          | _        |
| <u> </u>    | 29       | ⊢  | ├                                   | ┡  | -  | ₩        | ┝  | _  | Ш        | _        |          | 79       |          | $\vdash$       | _        |          | -        |          | 4        | _        | 4        | <u> </u> | 129        |          | _             | 4             | _        | _        | _        | _        | _        | _        |
|             | 30       | ⊢  | _                                   | <u> </u>   | _  | ├-       | ⊢  |  | Н        | _        |          | 80       |          |                |          |          | -        | -        | 4        | +        | _        | <u> </u> | 130        | Щ        | $\dashv$      | 4             | -        |          | _        | _        | _        | _        |
|             | 31<br>32 | ├-   | <del> </del>                        | _  | _  | -        | <u> </u>   | _  | $\vdash$ |          |          | 81       | <u> </u> | Ь              |          | -        | $\dashv$ | -        | 4        | $\dashv$ | _        |          | 131        |          |               | 4             | -        | _        | _        | -        | -        | $\dashv$ |
|             | 33       | ┝  | -                                   | _  | _  | -        | _  | -  | -        |          |          | 82       | _        | _              |          | $\dashv$ | $\dashv$ | -+       | -        | -        | _        | <u> </u> | 132        |          |               | 4             |          | $\dashv$ | -        | -        | -        |          |
| <u> </u>    | 34       | -  | -                                   | <del> </del> —                                   | -  | $\vdash$ | $\vdash$   | -  | Н        | $\dashv$ |          | 83       | -        | Н              |          | -        | $\dashv$ | -+       |          | -        |          | $\vdash$ | 133        | $\vdash$ |               | +             | 4        | -        | $\dashv$ | -        |          | $\dashv$ |
| _           | 35       | $\vdash$   | $\vdash$                            | $\vdash$   | ┢  | ┼─       | -  | -  | Н        | $\dashv$ |          | 84<br>85 | $\vdash$ | Н              |          |          |          | $\dashv$ |          | +        | $\dashv$ | -        | 134<br>135 | $\vdash$ |               | +             | $\dashv$ |          | -        |          | -        | $\dashv$ |
| <del></del> | 36       | ⊢  | $\vdash$                            | ⊢  | $\vdash$   | ╁        | $\vdash$   | $\vdash$   | $\vdash$ | $\dashv$ |          | 86       | -        | Н              |          |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | 135        | $\dashv$ |               | +             | $\dashv$ | $\dashv$ | $\dashv$ |          |          |          |
| $\vdash$    | 37       | <del> </del>                                     | -                                   | $\vdash$   | ╁  | ├        | $\vdash$   | -  | Н        | $\dashv$ |          | 87       | $\vdash$ | Н              | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | -+       |          | $\vdash$ | 137        |          | +             | +             | -        | $\dashv$ | $\dashv$ |          | $\dashv$ |          |
| -           | 38       | -  | -                                   | $\vdash$   | $\vdash$   | +        | $\vdash$   | $\vdash$   | Н        | $\dashv$ | -        | 88       | $\vdash$ | $\vdash$       |          |          | -        | $\dashv$ | -        | -        | $\dashv$ | -        | 137        | $\vdash$ |               | +             | $\dashv$ | -        | -        | -        | $\dashv$ | $\dashv$ |
|             | 39       | $\vdash$   | -                                   | $\vdash$   | $\vdash$   | +        | $\vdash$   | $\vdash$   |          | $\dashv$ | -        | 89       | $\vdash$ | $\vdash\dashv$ | -        |          | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\vdash$ | 139        | $\vdash$ | +             | +             | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ |
| $\vdash$    | 40       | $\vdash$   | -                                   | ┝  | ┝  | ├-       | ╁  | $\vdash$   | $\vdash$ | $\dashv$ |          | 90       | $\vdash$ | Н              | -        | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | 140        | $\dashv$ | $\dashv$      | +             | -{       | $\dashv$ | -        | -        | -        | $\dashv$ |
| <u> </u>    | 41       | -  | $\vdash$                            | $\vdash$   | $\vdash$   | 1        | <del> </del>                                     | $\vdash$   | H        | $\dashv$ | -        | 91       | $\vdash$ | $\vdash$       | $\vdash$ | -        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | 141        | $\vdash$ |               | +             | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$    | 42       | -  | ┢                                   | $\vdash$   | -  | ├        | $\vdash$   | -  | H        | $\dashv$ |          | 92       | $\vdash$ | Н              |          | $\dashv$ | $\dashv$ | -+       | $\dashv$ | $\dashv$ | $\dashv$ | -        | 142        |          | +             | +             | ┥        | $\dashv$ |          | $\dashv$ | -        | $\dashv$ |
| <u> </u>    | 43       | $\vdash$   | $\vdash$                            | $\vdash$   | $\vdash$   | t        | $\vdash$   | <del>                                     </del> | Н        | $\dashv$ | -        | 93       | $\vdash$ | $\vdash$       | $\dashv$ |          | -+       | $\dashv$ | $\dashv$ | -+       | -        | -        | 143        | $\dashv$ | +             | +             | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ |
| $\vdash$    | 44       |  | $\vdash$                            | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | H        | $\dashv$ | }        | 94       | $\vdash$ | Н              |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | 144        | $\dashv$ | +             | $\dashv$      | ᅱ        | -        | -        |          | $\dashv$ | $\dashv$ |
|             | 45       | H  | $\vdash$                            | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$ | $\dashv$ | <u> </u> | 95       | Н        | H              | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | 145        | -        | -+            | +             | ┥        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 46       | $\vdash$   | $\vdash$                            | $\vdash$   | <del>                                     </del> | t        | <del>                                     </del> | <del>                                     </del> | $\vdash$ | $\dashv$ |          | 96       | $\vdash$ | $\vdash$       |          | $\dashv$ | $\dashv$ | -+       | +        | $\dashv$ | $\dashv$ | -        | 146        | $\dashv$ | +             | +             | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
|             | 47       | <del>                                     </del> | $\vdash$                            | $\vdash$   | $\vdash$   |          | $\vdash$   |  | Н        | $\dashv$ |          | 97       | -        | Н              | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | +        | $\dashv$ |          | 147        | $\dashv$ | $\dashv$      | ╅             | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ㅓ        |
|             | 48       | T  | $\vdash$                            | <del>                                     </del> | _  | T        | t  | $\vdash$   | Н        | $\dashv$ | 1        | 98       |          | Н              | -        | $\dashv$ | +        | 一        |          | $\dashv$ | $\dashv$ |          | 148        | $\dashv$ | -+            | +             | ᅥ        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 49       |  |                                     | Ι-   | <del>                                     </del> | T        | T  | T  | Н        | $\dashv$ |          | 99       | $\vdash$ | Н              | $\dashv$ | $\dashv$ | _        | _        | $\dashv$ | $\dashv$ | ┪        |          | 149        | -        | -             | t             | ┪        | ┥        | -        | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 50       | Γ  | $\vdash$                            |  | 1  |          |  |  | Н        | ヿ        |          | 100      | $\vdash$ | П              |          | $\dashv$ | _        | 一        | $\dashv$ | 十        | 7        |          | 150        | $\Box$   | $\neg$        | +             | 1        |          |          |          | $\dashv$ | $\dashv$ |
|             |          |  |                                     |  |  |          |  |  |          |          |          |          |          |                |          |          |          |          |          |          |          |          |            |          |               |               |          |          |          |          |          |          |